UNDP

UNITED NATIONS DEVELOPMENT PROGRAMME

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ENGLISH

APPROVAL OF UNDP ASSISTANCE TO A GLOBAL PROJECT

(GLO/91/G32) - Global Monitoring of Greenhouse Gases including Ozone

Date of approval by the AC:[1]	21 October 1992
Expected duration:	Three years
Proposed executing agency:	WMO
Proposed UNDP contribution:	$ 4 800 000
Source of funds:	GEF

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Project background

During the last decade there has been increasingly disturbing evidence that human activities are rapidly changing the chemical composition of the atmosphere. This project has been formulated in response to the critical need to acquire global baseline-data related to reducing and limiting emissions of greenhouse gases which cause global warming. The global stations to be placed in carefully selected locations will carry out a wide range of measures of background concentration levels of selected atmospheric constituents, and will fill major gaps in the global network currently mainly under the WMO Global atmosphere Watch (GAW).

In order to ensure sustainability of the programme, UNDP approved an &80,000 preparatory assistance project which missions were sent to all seven countries to assist in site selection, advise on specific measurement and programme, plan the local programme, and negotiate a host country agreement covering local budget and other commitments. UNDP assistance has been approved under the present approval in anticipation that at the end of the project, some or all the proposed sites for establishment of new global stations will be operating with complete instrumentation and equipment and carrying out the recommended measurements.

Description of project

The development objective of the project is to help establish, at correct geographical locations, seven new global stations for the purposes of gathering data of the required accuracy, precision and representivity on greenhouse and

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[1] **This Fact Sheet reflects the status of the project/revision at the time it was approved by the Action Committee; modifications to the project/revision may have occurred subsequently.**

other atmospheric trace gases, aerosol, precipitation chemistry, solar radiation and concomitant meteorological parameters for use in arriving at a better understanding of atmospheric changes including climate change which impact life on earth.

The immediate objectives of the project are to: (a) carry out site selection; (b) advise on specific measurement programmes, local preparations and planning and long-term obligations for global observatories; (c) discuss details of the host government agreement; (d) provide training of the station scientific personnel in atmospheric chemistry and physics, in the operation and calibration of instruments, in the techniques of sample analysis and in data reduction, reporting and utilization; (e) arrange the training of the station technical or operational personnel in the operation and maintenance of the instruments and in the handling of samples; (f) enable the scientific and technical staff at the established stations to meet, in order to exchange views on implementation difficulties and other experience and to receive advice on various aspects of the programme; (g) provide instruments and equipment for the global stations; and (h) ensure the operation and periodic calibration of instruments, the continuous measurements in accordance with the established programme and procedures, the handling, storage and analysis of samples, the reporting and archiving of data and the post project arrangements.

Inputs

UNDP will provide 89.5 work-months for consultants to help with the installation, calibration and operation of the equipment; on-the-job training; individual fellowships for senior scientists involved in the programme, group training for technicians involved in the project; equipment to carry out the measurements in line with the attached equipment list; and miscellaneous costs.

Financial data

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Personnel	775 000
Training	580 000
Equipment	2 873 000
Miscellaneous	20 000
Support costs	552 000
Total	4 800 000

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